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OUTLOOK

A WEEKLY NEWSPAPER FOR FACULTY AND STAFF AT THE UNIVERSITY OF MARYLAND AT COLLEGE PARK

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New Report Examines State's Economic Health

For a state once thought to be relatively "recession-proof" and which thrived during the expansion of the service sector in the 1980s, the prospects for Maryland's economy are far less rosy than they were six months ago.

That is the assessment of Mahlon Straszheim, professor and chair of the Department of Economics at the University of Maryland at College Park in a status report on the state's economy released October 1.

While the Maryland economy performed better than the U.S. economy for much of the last decade, this comparative advantage will be reduced in the near future. A sustained period of slower growth in the state will put increasing pressure on public sector budgets, says the economist.

The report focuses on the relationships between the national economy and the Maryland economy using state-wide data and describes how the state's income and employment is affected by national trends.

Two forecasts for the state's economy corresponding to two forecasts for the nation's economy are

presented: a Slow Growth Scenario and a Recession Scenario.

The status report also looks at the effects of the economic slowdown on the Maryland budget.

"The economy of the State of Maryland is in transition, from a period of rapid growth in real income and employment accompanied by moderate rates of inflation, to a period of substantially slower real growth, higher inflation, and increasing uncertainty in product, labor, and financial markets," Straszheim says.

"The risks of recession in the national economy and the consequences of higher inflation rates will be quickly felt in Maryland's economy, which is large, diversified, and is substantially affected by national economic trends." In addition to the national slowdown, Maryland's competitive advantage is likely declining, the Maryland economist says.

"The State's tax revenues will be substantially affected by an economic slowdown, and Maryland voters can expect to confront difficult issues in establishing public sector priorities in the months ahead," Straszheim predicts. "Growth rates



in personal income and retail sales tax receipts could be half the rates enjoyed in the late 1980s."

"Local government tax revenues will also be significantly affected by reductions in personal income growth and declining real estate prices," he says.

The new status report is based on a computer model analyzing income and employment by sector using the national macro and input-output models of INFORUM, the Interindustry Forecasting Project at the University of Maryland that have been modified to include the relationships between employment and earnings by sector within the state.

During the last decade, Maryland has enjoyed a period of exceptional growth with the state's economy outperforming that of the nation. This success is traceable largely to increasing emphasis on service sector employment,

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Hard Choices

An Address by Robert Griffith

The following is excerpted from remarks delivered by Dean Robert Griffith before the annual Faculty Assembly of the College of Arts and Humanities on September 27, 1990.

...I now want to talk to you about a most serious issue: the state budget for higher education and what I believe are its implications for both the college and the university.

The background for this is by now familiar to most of you: the recession which began in the Northeast last year is now spreading through the Mid-Atlantic and Southeastern states, indeed throughout the nation.

When state economies slow, two things occur: first, costs for welfare, medicaid and other needs-based programs rise, for the simple reason that there are more poor people in need of services; secondly, tax revenues decline.

Since most state's are constitutionally prohibited from running a

deficit, they must cut their budgets. And since more than half of their budgets are typically made up of mandated programs such as welfare and medicaid that cannot (and indeed ought not) be reduced, the cuts must necessarily fall on other state agencies, including public higher education.

It is, of course, important to realize that states and universities all up and down the East Coast are experiencing the same sort of problems that we are.

It is also important to recognize that as unemployment rises, many citizens in our state will suffer far more grievously than we and many other state agencies delivering badly needed public services will face problems even greater than those that we must face. It is also important to recall that we have enjoyed more than five years of spectacular growth in state support and that the momentum of that growth will not be eroded in a single year.

Nevertheless, our state is faced with a large and growing shortfall between its projected expenditures

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Exchange Program Applications

Applications are being accepted for the University of Maryland Exchange Program with Peking University for academic year 1991-1992. Applicants may be faculty or students with or without knowledge of the Chinese language. For more information call 405-4146.



Rita R. Colwell

Colwell Elected President of World-Wide Science Society

Rita R. Colwell, director of the university's Maryland Biotechnology Institute (MBI) and professor of microbiology at College Park, has been elected president of the International Union of Microbiological Societies (IUMS). IUMS is a world-wide federation of 80 national societies and organizations in 60 countries and a number of international societies, representing approximately 70,000 individual scientists.

Colwell took office Sept. 22 at the organization's International Congress in Osaka, Japan. She has been an IUMS member since 1972.

As director of MBI, Colwell ad-

ministers an annual budget of \$14 million and oversees more than 70 molecular biologists and 200 support staff at five facilities.

She is a microbiologist and marine scientist actively involved in national and international research and teaching. Colwell has focused much of her research on the effects of bacteria on the Chesapeake Bay, in deep seas and in recreational waters. Under her leadership, the university's Sea Grant Program was designated a national Sea Grant College in 1983.

Colwell, a former president of the American Society for Microbiology, is the author or editor of 12

books. She has produced the award-winning film *Invisible Seas*, a 28-minute, color film on marine microbiology. She is the author of hundreds of papers, articles, book chapters, reports, abstracts and presentations.

A frequent consultant and invited speaker to international symposia, Colwell holds honorary doctoral degrees from Heriot-Watt University in Edinburgh, Scotland and the University of Queensland (Australia). She earned her Ph.D. in marine microbiology at the University of Washington in 1961.

Straszheim Analyzes State's Economy

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especially rapid growth in business services. This in turn increased demand for retail services, construction, and state and local government services. Personal income advanced more rapidly in Maryland than in the nation beginning in 1982, and during the 1980s, the state's population grew faster than the national average.

"Increases in population and income in turn were the source of increased demands for public services," Straszheim says. "Growth in the state's tax base associated with economic growth yielded large in-

creases in public sector revenues to finance increasing state and local government expenditures."

Since 1989, however, real income and employment growth in the state has slowed to the point where growth rates are now virtually identical with the national average.

In both the Slow Growth and Recession Scenarios, both real and nominal income growth is substantially less than in the period before 1989. Unemployment rates are higher, though unemployment is not due to approach levels reached in recent recessions. In both instances the economy's growth is

slowed by persistent inflation pressures and high real interest rates which preclude a sharp recovery from occurring.

Straszheim's assessment is that into the 1990s Maryland's economy is likely to perform better than the national average, continuing to attract new residents to the state.

"Many of Maryland's advantages will remain: it is a coastal state with favorable environmental amenities; Washington, D.C. as the center of the federal government will continue to be a strategic location for many businesses and interest groups; and the state has a growing, educated workforce," he says. "A business service based economy will continue to provide a comparative advantage in the 1990s."

Tom Otwell

MARYLAND REVENUE FORECAST									
	ACTUAL					PROJECTED			
Fiscal Year	1986	1987	1988	1989	1990	1991	1992	1993	
Recession Scenario									
Tax Revenue: Millions Of \$									
Personal Income Tax	\$1,929	2,180	2,427	2,655	2,864	3,005	3,173	3,369	
Annual Growth (%)	9.1	13	11.3	9.4	7.9	4.9	5.6	6.2	
Retail Sales Tax	\$1,190	1,303	1,424	1,507	1,572	1,632	1,718	1,817	
Annual Growth (%)	8.3	9.5	9.3	5.9	4.3	3.8	5.3	5.8	
Corporate Income Tax	\$145	142	140	145	113	110	122	131	
Annual Growth (%)	2.2	-2.1	-1.3	3.6	-21.6	-3	10.6	7.8	
Slow Growth Scenario									
Tax Revenue: Millions Of \$									
Personal Income Tax	\$1,929	2,180	2,427	2,655	2,864	3,005	3,195	3,426	
Annual Growth (%)	9.1	13	11.3	9.4	7.9	4.9	6.3	7.2	
Retail Sales Tax	\$1,190	1,303	1,424	1,507	1,572	1,633	1,737	1,858	
Annual Growth (%)	8.3	9.5	9.3	5.9	4.3	3.9	6.4	7	
Corporate Income Tax	\$145	142	140	145	113	119	127	144	
Annual Growth (%)	2.2	-2.1	-1.3	3.6	-21.6	4.5	6.7	13.8	

OUTLOOK

Outlook is the weekly faculty-staff newspaper serving the College Park campus community.

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Letters to the editor, story suggestions, campus information & calendar items are welcome. Please submit all material at least three weeks before the Monday of publication. Send it to Roz Hiebert, Editor Outlook, 2101 Turner Building, through campus mail or to University of Maryland, College Park, MD 20742. Our telephone number is (301) 405-4621. Electronic mail address is outlook@pres.umd.edu. Fax number is (301) 314-9344.

UNIVERSITY OF MARYLAND AT COLLEGE PARK

Women's Forum Fall Conference

The University of Maryland System's Women's Forum Fall Conference, "Hearing Our Own Voices," will be held Tuesday, October 23 at the University of Maryland Baltimore County Student Center. The fee is \$25 per person and the registration deadline is October 12 for the all-day conference. For more information contact (301) 543-6020.

NEWS

Griffith Considers Implications of State Budget

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and its projected revenues. As you know, just before Labor Day, Governor Schaefer ordered a callback of previously allocated funds from this year's budget for the university and other state agencies.

The University of Maryland System was assessed 6 percent of its FY91 budget, or about \$39 million. College Park's share of that, 6 percent of its budget, is \$14.5 million. The campus thus faces a very, very serious problem. It is a problem, moreover, that we must deal with on both a short term and a long term basis. Let me talk first about the short run.

As you are, of course, well aware, universities are different from other state agencies. Part of that difference includes their budgetary culture. We are now nearly one quarter into the current FY 91 budget year and nearly 80 percent of our budget is locked up in faculty salaries and other commitments which the campus cannot or should not and will not cut. What this means, however, is that the 6 percent (or \$14.5 million) of its total budget that the campus must return to the state has to come out of the remaining 20 percent of non-committed funds. If you do the math with me, I believe you can see what a serious problem we face.

"We must not permit ourselves to become victims."

The campus will absorb some of these costs by delaying some facilities renewal projects. Academic Affairs will nevertheless have to come up with over \$7 million. Since our college is the largest unit within Academic Affairs, it is clear that we will feel the cost and feel it acutely.

The campus will present the colleges with assessments, and the colleges and departments will meet those assessments to the best of their abilities. I will be talking with chairs and directors, with the Collegiate Council and with the College's Academic Planning and Advisory Committee about how we can address the problem.

We will have to do without many things we had planned on having, and postpone many things that we wanted to do this year. It's not going to be much fun, but we can and will manage it.

The more serious problem, however, is *long term* in character. Informed speculation among economists and budget experts suggests that the most recent cut will last for more than a year; and that it is likely that next year's budget

(FY 92) will be funded at this year's level, minus the \$14.5 million reduction.

It is of course possible that the state's economy will not continue to slow, that the university will be exempted from further cuts, that the taxes will be raised or tuition

"...A great university is worth fighting for and I invite you to join me in that struggle."

increased. It's possible that through some combination of these the university will be spared additional reductions. I know that President Kirwan and other university leaders are working hard on all of these issues and I wish them every success. But it is also possible that things could grow worse as a result of a deeper recession, the impact of federal fiscal policies, or war in the Middle East.

I believe very strongly that we must premise our planning on the more pessimistic possibility that this year's reduction will last more than one year and that indeed it will take several years for the campus to fully recover.

So we face a very serious problem. I believe that how we respond to this problem is absolutely critical to the future of our college and indeed our campus. The problem is real and the difficulties we face are very great. But we must counsel one another against resignation. We must not permit ourselves to become victims. We must instead struggle to shape our own destiny.

How do we do this? In recent remarks to the college's Administrative Council, to its Collegiate Council, and in today's assembly, I am beginning what I hope will be a broad conversation within our college. It is a conversation about hard choices. What are our priorities? What must we protect and even enhance? What can we delay or do without? How do we do it? Ours is a calculus of hard choices.

But I believe that we can make them and make them in ways that reflect our own best values. I believe we must make them in ways that permit us to continue the improvement of our core and exemplary programs, in ways that keep our promises to improve undergraduate education, in ways that continue to diversify our college until it fully reflects the rich texture of American life.

None of this will come easy. Building a great university is not an easy task in the best of times, and these are not the best of times. But a great university is worth fighting for; and I invite you to join me in that struggle.



Robert Griffith, dean of the College of Arts and Humanities

Let me close, then, by quoting from the prologue of the budget message we sent to the campus two weeks ago:

"We [in the College of Arts and Humanities] recognize that the university is not isolated from those powerful currents that shape the lives of people everywhere...We know that the receipt of this submission will be conditioned by the slowdown of the state's economy and by the increasingly bleak outlook for the university's budget in both FY91 and FY92. Yet if the premises [of earlier years] have changed and with them our immediate expectations, our needs and aspirations nevertheless remain constant.

"...The university's quest for greatness will continue even during the current season..."

"We thus present our plan with both a sober sense of what may be possible in the near future, but also with the confidence that the university's quest for greatness will continue even during the current season and will recover and gain momentum in the years that follow."

Economists to Look at Regional Productivity Growth

Two College Park economists have been awarded a \$97,000 grant from the National Science Foundation to assess productivity growth in nine regions of the United States. The 18-month-long study is a follow up to one carried out six years ago by Charles R. Hulten and Robert M. Schwab. Hulten and Schwab will investigate whether productivity has grown faster in some parts of the country than others and if so why. One of several issues they will focus on is what effect the investment (or lack of it) in infrastructure has on regional productivity.

Making Fish Oils Desirable for Human Consumption



Carol Karahadian

There has been much attention paid to the health benefits of fish and fish oils lately. Some studies have shown that people who eat fish two or three times per week are less likely to die early of heart disease. Fish contain protective fats—omega-3 fatty acids—that may also slow the spread of cancer, help prevent some diseases of the immune system, and may counter

hypertension and arthritis.

While the surgeon general and the Food and Drug Administration await further evidence of the benefits of fish, many Americans are considering it prudent to put more fish into their weekly diets.

One way consumers can increase their intake of omega-3 fatty acids is through the consumption of fish oils. But most people wouldn't want to go back to a spoonful of cod-liver oil each day before breakfast. Thus, researchers in the Department of Human Nutrition and Food Systems are looking for ways to remove the fishy smell and flavor from fish oils so they can be used as an extra-healthy alternative to other oils used in cooking.

"We are trying to find a middle ground where we can maintain the quality of fish oils while controlling their flavor," says Carol Karahadian, assistant professor of human nutrition. "The jury is still out as to how healthy fish oils are, but if the surgeon general decides, 'yes, we want all of the nation to consume buckets of it,' it would be nice if we could stabilize and control flavor so the oil could be used for general consumption."

According to Karahadian, fish oil can be industrially deodorized, but, like all unsaturated fats, fish oils are highly susceptible to oxidation, the chemical process which causes their flavors to return.

"Because the oil oxidizes very

quickly, we have to try to control that process so we can promote desirable flavors," she says.

Karahadian is using vitamin E as a stabilizer because it helps prevent the oxidation of unsaturated fatty acids, thereby helping to maintain their structure.

"We've found that different levels of vitamin E can prevent or promote oxidation," she says.

For her study, Karahadian uses oil from menhaden because they are abundant, inexpensive, and made up of about 60 percent fat. The fish are put through an extraction process that removes the oil, which is then refined. The oil is then deodorized through a steam process that produces a bland oil void of flavor. "Without stabilization attempts, the oil returns to fishy flavors within a week," Karahadian says.

As the fish oil oxidizes, it moves from bland, to green flavors which resemble green vegetable flavors, and finally, the oil returns to full fish flavor. But Karahadian has succeeded in maintaining stability with the green flavors. "Some of these green notes can be added to some foods like green goddess salad dressing," she says.

"We are still a long way from being able to stabilize fish oils in the bland phase," Karahadian concludes, "but we are encouraged by our progress."

Farriss Samarrai

Aquaculture Grows As Researchers Improve Industry

As a health-conscious America increases its consumption of fish—and wild fish populations become strained by pollution and overfishing—there is a growing need for more and better aquacultural techniques and facilities.

Fish farms now produce eleven percent of the fishery products consumed in this country, up from only one percent 10 years ago, according to the U.S. Department of Commerce. And that number should increase to 20 percent in 10 years.

"Aquaculture is the fastest growing area of agriculture," says Fred W. Wheaton, professor of agricultural engineering. Wheaton specializes in designing and improving water control systems for aquaculture.

"In Maryland there has been more growth in aquaculture in the past three years than in the previous 10 years," Wheaton says.

Aquaculture is now a \$10.5 million per year business in Maryland. The primary products in this state are striped bass, hybrid striped bass, trout, oysters, crayfish, catfish, soft crabs, aquatic plants, tilapia and ornamental fish.

"Twenty years ago, not many investors were aware of aquaculture or were willing to put their money into it," Wheaton says. "Today, it's a fast-growing field with increasing political muscle. More financial institutions are aware of it as an industry worth investing in."

But as the aquaculture industry grows, there is an increasing need to improve production, quality, and cost efficiency.

"We are conducting studies to determine how water quality affects productivity," Wheaton says. "We are using a mathematical model to see how temperature control can increase the growth rate of fish. Because fish are cold-blooded, their metabolism increases in warmer water and they begin to eat more and grow faster."

In Wheaton's model, solar panels would be used to heat a pond to its optimum production level. Wheaton says it is possible to nearly double the growth rate of some fish by increasing water temperature by about 10 degrees.

Wheaton also is working on a project designed to better control and monitor the water quality of fish ponds. "We are looking at bio-



Fred W. Wheaton

filters and how temperature increases can affect the ability of these filters to clean water," he says.

Wheaton and his graduate students also are designing an automated oyster shucking machine. The machine uses sensors and a computer to determine where to strike an oyster in opening it. "We keep improving it," Wheaton says. "In one section of the machine, our processing rate has been increased from about 10 seconds per oyster to 0.7 seconds each."

Farriss Samarrai

The Latest From Schoenbaum on Shakespeare is in Paperback

S. Schoenbaum likes seeing his work in paperback.

"The great thing about this book, the great thing about it..." enthuses the Distinguished Professor of English as he displays a copy of his new book, *Shakespeare: His Life, His Language, His Theater*, issued this fall as a Signet paperback, "...is that it sells for less than a fiver, you can get it for a fiver."

If the rusty slang and the emphasis on a price somewhat more manageable than, say, the hardcover version of Schoenbaum's mammoth *Shakespeare's Lives*, suggests a certain populist enthusiasm, the impression is correct. The recent publication of a work oriented toward audiences unfamiliar with the renowned Shakespearean scholar's writing delights Schoenbaum.

The mass-market paperback, with a first printing of 25,000, is designed as an introduction to Shakespeare, the content of his plays, his use of language and the theatrical environment in which he worked. The book already has been ordered for use in high school and college classes.

"I like trying to reach these kinds of audiences with my stuff. I've never thought of myself as writing only for specialists," Schoenbaum says.

The "stuff" Schoenbaum refers to is some of the world's finest scholarship on the life of Shakespeare. His books, *Shakespeare's Lives* and *William Shakespeare: A Documentary Life* are considered classics in the field. Among the many accolades he has gathered for his work on Shakespeare is his appointment in 1984 as one of twelve Life Trustees for the Shakespeare Birthplace Trust at Stratford-on-Avon.

In his new book, Schoenbaum helps introduce the uninitiated to Shakespeare. And in doing so, he emphasizes that one of the first

steps toward knowing Shakespeare is to see how deeply he was immersed in the life of the theater, he says.

"Shakespeare's plays are very much the work of a professional, a person who was not only a playwright but an actor and (theater) manager as well, a person with a total commitment to the life of the theater," Schoenbaum says.

Among the book's chapters is one on the theaters in which Shakespeare worked. It includes a discussion of some ten playhouses, including the Globe, the Rose and other, more obscure sites.

"This section is important because his plays were written and acted in these playhouses. You have to know something about the life of the theater at that time," Schoenbaum says.

In another chapter, Schoenbaum provides a guide for understanding Shakespearean language. One point that Schoenbaum emphasizes is that there are more similarities than differences between modern and Shakespearean English.

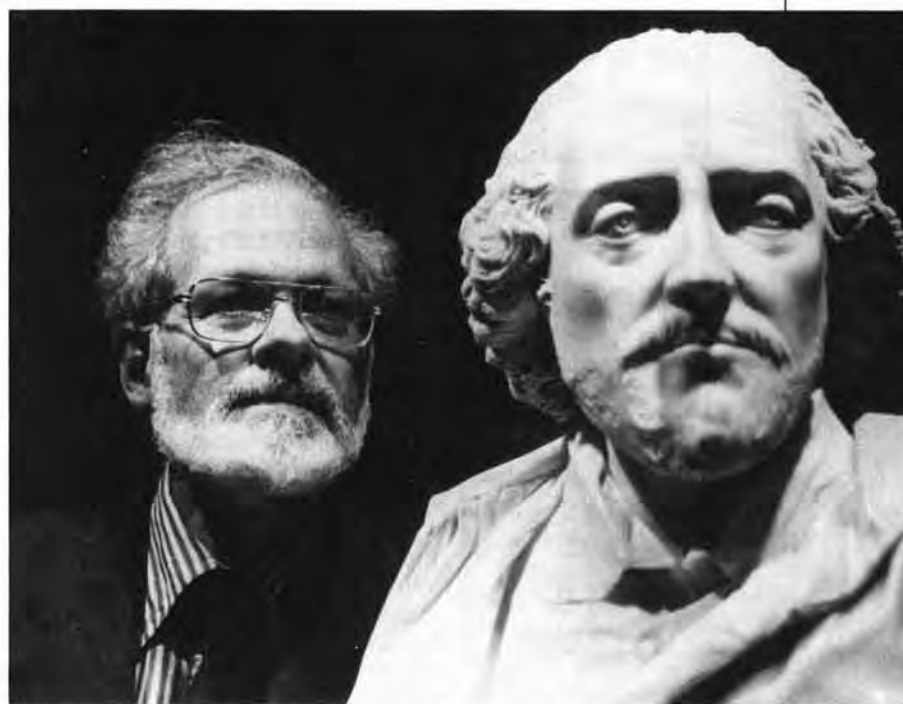
There is also a brief analysis of each of Shakespeare's plays. "That's something I hadn't done before," he says.

Pleased to see *Shakespeare: His Life, His Language, His Theater* in bookstores, Schoenbaum is also anticipating publication of two other books within the next year.

Schoenbaum has updated and abridged *Shakespeare's Lives* for a new edition that will be published this winter by Oxford University Press. The book is also scheduled for release in paperback.

In addition, Schoenbaum edited and wrote an introduction for a book of important essays on *Macbeth*, that will be issued next year by Garland Publishing.

Brian Busek



Shakespeare expert S. Schoenbaum has published a new book on the playwright.

Balthrop to Sing with Baltimore Opera



Carmen Balthrop

Carmen Balthrop, international opera star and College Park assistant professor of music, will perform the role of Micaela in *Carmen*, the Baltimore Opera's season opener, on Oct. 13, 17, 19 and 21. Balthrop, who made her Metropolitan Opera debut as Pamina in *The Magic Flute* in 1977, achieved world fame with her creation of the title role in Scott Joplin's *Treemonisha* at the Kennedy Center and on Broadway, a production which was also shown on public television.

This year is proving to be a busy one for the prize-winning soprano. In March she captivated a San Francisco audience with a song recital, in May she sung her first Verdi *Requiem*—a triumph—with the Brooklyn Philharmonic, and October brings the *Carmen* performance.

Looking further ahead, in October of 1991 Balthrop will sing Liu in Puccini's *Turandot* for Opera Columbus, and in 1993 she will recreate her powerful portrayal of Poppea in Monteverdi's *The Coronation of Poppea* for the Miami Opera.

Indian Classical Music Concert to be Presented October 12



Sitar player Kartik Seshandri will perform in Tawes Recital Hall.

The spell-binding music of sitar and tabla, the traditional long-necked guitar and small drums of Indian classical music, will fill Tawes Recital Hall on Friday, Oct. 12, starting at 8 p.m.

Featured performers will be the young sitar virtuoso Kartik Seshandri, a disciple of the world-famous sitar maestro Pandit Ravi Shankar, and tabla master Swapan Chaudhuri.

Sponsored by the Department of Music and the Maryland State Arts Council, the concert is open to the university community. Tickets are \$10 (\$8 for students and senior citizens) and will be available at the door. Call 405-5548 for information.

Olson Comments on 'Myths of Watergate'

In his book, *In the Arena*, former President Nixon dwells at length on what he considers the "myths of Watergate."

Among others, Nixon chooses a "most blatantly false myth," a "most unfair myth," and a "most politically damaging myth." In all, he identifies at least 10 "myths of Watergate."

But for all of the literary sweat that Nixon devotes to the "myths of Watergate," he misses the most germane myth of Watergate, according to Keith Olson, professor of history.

Olson, who is writing a book on the history of Watergate, argues that the most relevant myth of Watergate is the lingering notion that liberal politicians and news organizations forced Nixon from office.

In reality, Nixon fell only after such stalwart conservatives as Barry Goldwater (who later called Nixon "the most dishonest individual I've ever met") turned against him, Olson says. And Nixon's conservative allies abandoned him only after his repeated professions of non-involvement in the cover-up of the burglary of Democratic National Headquarters were shown to be untrue.

Why did Nixon exclude this particular myth in compiling his list for *In the Arena*?

"[Nixon's myths] are self-serving. For most part he creates false myths or emphasizes myths about unimportant issues so he can shoot them down," Olson says.

Concerning the myths that he identifies, Olson argues that an understanding of the role of conservative and middle-of-the-road figures in Nixon's political demise is crucial to a larger understanding of the whole history of Watergate. It is the actions of conservatives and moderates—sometimes those who inadvertently undermine Nixon because of their faith in him—that ultimately defeat Nixon.

For instance, many pivotal figures in the Watergate investigation, including special prosecutor Leon Jaworski and federal judge John Sirica, came from conservative backgrounds. Even *Washington Post* reporter Bob Woodward was a "straight-laced Republican" when he and Carl Bernstein were assigned by their Metro desk to cover the Watergate break-in, Olson says.

Former Republican senator Howard Baker is often remembered as an earnest, non-partisan figure for his famous question "What did the president know and when did he know it?" The question, however, was a disingenuous one, designed to aid Nixon, Olson says.

Baker believed Nixon's statements that the president had

not been directly involved in anything particularly damaging. His question therefore was intended to distance Nixon from the seamy events of the coverup.

In a recent article on Watergate, Olson shows that only when conservatives turned on Nixon did his resignation become imminent.

Among many examples, Olson finds three of particular significance—in the month before Nixon's resignation Goldwater, William F. Buckley and the *Wall Street Journal* all called for him to step down.

In short, the leading spokesmen of the populist, intellectual and corporate wings of conservatism turned against Nixon, Olson says.

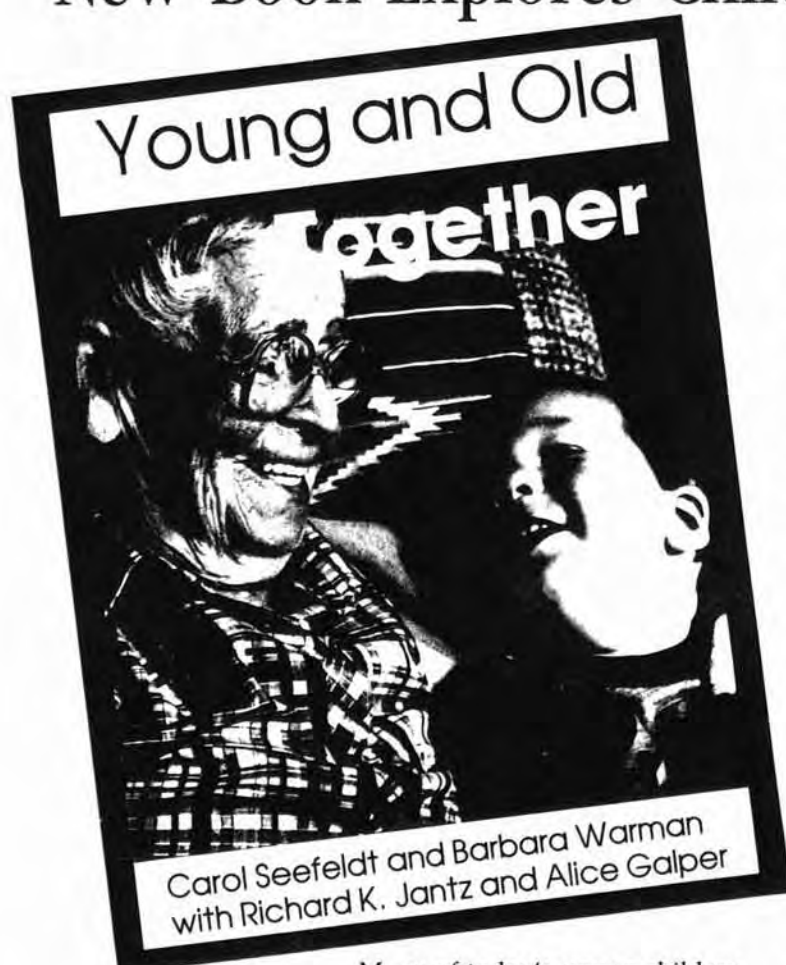
The reason they abandoned Nixon is that the release of Nixon's White House tapes provided evidence that the president had repeatedly lied about his role in the coverup.

"No president ever stated a position so emphatically, in such detail and for such a long period, only to have that position so completely crumble," Olson says.

Olson's discussion of his "myths of Watergate" is one part of his book, designed to give contemporary readers a short history of Watergate.

Brian Busek

New Book Explores Children's Attitude Toward Elderly



Carol Seefeldt and Barbara Warman with Richard K. Jantz and Alice Galper

Many of today's young children have a negative attitude toward the elderly, and that attitude could prove potentially harmful in the future as children become adults, says Carol Seefeldt. The faculty member in the Institute for Child Study in the College of Education is co-author of a new book, "Old and Young Together."

The book, which is published by the National Association for the Education of Young Children and whose co-authors include Richard K. Jantz, a professor of Curriculum and Instruction at the university, is for teachers of young children ages three to eight and for administrators of child care, nursery, or preschool programs who are planning an intergenerational program.

The book provides guidelines for planning curriculum experiences, developing programs that establish and maintain contact between young and old, and selecting and using appropriate resources from the school and community so that children are provided with accurate information and knowledge about the elderly that will help them form positive attitudes and enable them to feel positively about their own aging.

"In the United States historic numbers of people now live well into old age, and thus the percentage of the population over age 65 is steadily increasing. How society meets the challenges of an aging population begins with how today's young children learn about the elderly and their own aging," says Seefeldt, who has spent more than a decade researching intergenerational attitudes.

While children seem to have deep affection for older people, especially their grandparents, says Seefeldt they are appalled by the physical aspects of old age, saying

that old people "chew funny," "walk with canes," "need glasses to see and can't hear too well either," or that "old people just sit all day in wheelchairs waiting to die."

Children also deny the fact that they, too, will someday grow old with such remarks as "Oh no, not me! I'm not getting old," or "You see, you have a better chance of not dying if you are brand new," or "I'm not getting old because the joy of life will be gone."

"These negative attitudes are potentially harmful," says Seefeldt. "Children who perceive the old as sick, unable to do anything, and in the least productive time of life may dread their own aging, and their stereotypical thinking may affect how they, as adults, decide to provide and care for the elderly."

Stereotyping the old could also lead to conflict between young and old, she adds. "Children who have the opportunity to live fully today will not dread their own aging," says Seefeldt. "And children who learn, when young, the skills of relating to and caring for one another may become adults who find flexible, creative ways of caring for the elderly. If today's children are able to free themselves from the myths and stereotypes of age, they can enjoy a society in which young and old together successfully meet the challenges of the coming 'senior boom.'"

Lisa Gregory

MEI to Train Postal Service Employees

The Maryland English Institute (MEI) has recently received a contract to provide English as a second language (ESL) teacher training for U. S. Postal Service employees. MEI is also providing intensive English language training for Korean postal service officials who will be coordinating the next Universal Postal Congress in Seoul in 1994. The program is being presented at the USPS Management Academy in Potomac. For further information, call Lois Kleinhenn Lanier, project director, at 405-5185.

F.Y.I.

New Handbook Provides Guide for Teaching Students With Disabilities

A new resource is available for College Park faculty members who are uncertain about how to accommodate students with disabilities.

"Reasonable Accommodations," is a new handbook on teaching students with disabilities published this month by the President's Commission on Disability Issues. Based on a model created by the City University of New York, the handbook offers faculty members advice on how to ensure that students with disabilities receive equal access to education in their classes.

"Students with disabilities are a rapidly growing minority at College Park as elsewhere in American higher education. In Spring 1989, 208 students identified themselves as having disabilities," says William Patterson, chair of the President's Commission on Disability Issues.

"We hope that this booklet helps to guide faculty members in their

encounters with students with disabilities. We aren't asking faculty members to change what they teach, but in some cases we may be asking that they transmit knowledge in a different way."

The handbook describes the different kinds of students with disabilities that a faculty member might encounter, and the obstacles toward learning that a particular disability might create. Among the disabilities described are problems with motor skills, psychological problems, learning disabilities and vision, hearing and speech impairments.

In addition, the handbook offers suggestions on accommodating students with disabilities.

For instance, in a section on students who have limited use of their hands, the handbook suggests that such students may have problems writing notes and tests in classes and in gathering and using library

materials for out-of-the class assignments. In such cases, faculty members may need to allow students use of scribes both in and out of classes to help in completing work. The extra time that the use of a scribe entails might necessitate extended deadlines for students with this disability.

The handbook also includes a section on the preferred language for describing people with disabilities. This section is drawn from the "Campus Guidelines for Using Inclusive Language and Illustrations in University Publications."

To receive a copy of "Reasonable Accommodations" or to receive more information on disability related issues call Disabled Student Services call at 314-7682, TDD 314-7683.

Brian Busek

SRC Announces Systems Colloquia Series

The Systems Research Center (SRC) has announced its fall Colloquia Series.

The series features visits to the SRC by nationally and internationally recognized authorities in fields related to the center's research activities. During the two-day visit, the speaker delivers a lecture, which is videotaped, and takes part in both roundtable discussions with selected faculty and students and individual and group meetings.

On Thursday, October 11, from 9:30 a.m. to 10:30 a.m., Kaigham J. Gabriel, a member of the technical staff of AT&T Bell Labs, will discuss "Prospects for IC-Based Micro Electromechanical Devices." Gabriel is a specialist in micro-teloperators and human-machine interfaces.

On Thursday, November 15, from 3 p.m. to 4 p.m., David Q. Mayne, professor at the Imperial College of Science and Technology, will speak on "An Implementable Receding Horizon Controller for Stabilizing Nonlinear Systems." Mayne's chief research interests are in optimization, CAD and adaptive estimation and control.

Both lectures will be held in Room 1100 of the Instructional Television Building.

On September 13, the first Colloquia lecturer, Harry Tennant, Chief Technologist at Texas Instruments, discussed "The End of the Beginning in Computing Emergence and Convergence in the 1990s."

For more information, contact Sharon Dass at 405-6634.

Police Department Receives Governor's Award

The University of Maryland Police Department and Cyndi J. Snyder, area director of the Denton Community on campus, have been selected to receive 1990 Governor's Crime Prevention Awards for their role in operation PART (Police and Residents Together).

The awards will be presented Nov. 19 at the 11th Annual Governor's Crime Prevention Awards Ceremony in Annapolis.

The UM Police Department will receive their award for developing an Outstanding Proactive Crime Prevention Program that had a significant impact on reducing crime. Snyder will receive her award for being a key member in the success-

ful execution of the PART program.

Operation PART is a community-based police project that was implemented in the Denton community during the Fall 1989 and Spring 1990 semesters. The project is now being expanded into other areas of the university community.

The project is designed to promote positive interactions between community residents and the Police Department by allowing officers to become involved in all facets of community life, such as attending community meetings and giving presentations, assisting in non-traditional police-related matters, and developing solutions with the community to crime-related problems.

Maryland's PR Graduate Program Among Nation's Best

The College of Journalism's graduate program in public relations has been picked as one of the best in the country, according to a recent poll of public relations educators.

In a survey of members of the Educators Section of the Public Relations Society of America (PRSA) taken by Marquette University, 44 of the 93 respondents selected Maryland as one of the best in the country for graduate work in public relations.

Maryland was cited for its nationally-visible research and pub-

lication efforts and the teaching excellence of its faculty as well as for its diverse, flexible curriculum and its proximity to major public relations markets.

The other top-ranked programs cited in the study are those at the University of Florida, San Diego State University, Boston University and San Jose State University.

Maryland's undergraduate public relations program was named the country's best in a similar study done by Marquette last year.



Details from cover of 'Reasonable Accommodations'

CALENDAR



Back by popular demand, the Jupiter Symphony, directed by Jens Nygaard and joined by Lilian Kallir, piano, will perform Saturday, October 13 at 8 p.m. For tickets and information, call 403-4239.

OCTOBER 8-17

8 MONDAY

Art Gallery Exhibition: "Trouble in Paradise," today-Oct. 26, The Art Gallery, Art/Soc Bldg. Call 5-2763 for info.

Institute for Advanced Computer Studies Symposium: "Frontiers '90," today-Oct. 10, Center of Adult Education. Call 5-6722 for info.

Counseling Center Returning Students' Workshop: Exam Skills, 2-3 p.m., 2201 Shoemaker Hall. Call 80-7693 for info.

Physics & Mathematics Departments Reception, for tenured and tenure-track faculty to meet with new CMPS Dean, Richard H. Herman, 3:30 p.m., Math Rotunda. Call 5-5980 for info.

Computer Science Colloquium: "Quantum Cryptography," featuring Charles H. Bennett, IBM Research, reception, 3:30 p.m., 1152 A.V. Williams Bldg., lecture, 4 p.m., 0111 Classroom Bldg. Call 5-2661 for info.

Horticulture Seminar: "Regulation of Vegetable Growth in Peaches Through SOD Management," featuring Mike Newell, Wye Research and Education Center, Queenstown, 4 p.m., 0128B Holzapfel Hall. Call 5-4356 for info.

Zoology Seminar: "The Roles of Host Plant Phenology and Nectar Chemistry in the Ecology and Evolution of Hummingbird Flower Mites," featuring Robert K. Colwell, Ecology & Evolutionary Biology, 0200 Symons Hall. Call 5-6922 for info.

9 TUESDAY

Employee Development Seminar: "Communication Styles and Strategies for Supervisors," today and tomorrow, 9 a.m.-4 p.m., 2110 & 2112 Center of Adult Education. Call 5-5651 for info.

Sexual Harassment Education Workshop, for vice presidents, deans, directors, and department chairs, today and tomorrow, 9:30-11:30 a.m., 2118 Lee Bldg. Call 5-2837 for info.

Zoology Seminar: "Ecology, Evolution, and Hybridization Among Admiral Butterflies," featuring Austin Platt, Biology, UMBC, noon, 1208 Zoo/Psych Bldg. Call 5-6887 for info.

Department of Minorities & Women Lecture, featuring Valerie Maynard, Painter, Sculptor, Printmaker, 3 p.m., 1309 Art/Soc Bldg. Call 5-1442 for info.

Writers Here & Now Reading, featuring Roland Flint, poet, 3:30 p.m., 3101 McKeldin Library (Katherine Anne Porter Room). Call 5-3819 for info.

Physics Colloquium: "Theories of the Origin of the Solar System," featuring Stephen Brush, Institute for Physical Science and Technology, 4 p.m., 1410 Physics Bldg., reception, 3:25 p.m. Call 5-5980 for info.

10 WEDNESDAY

Employee Development Seminar: "Effective Proofreading," 9 a.m.-4 p.m., 1143 Stamp Student Union. Call 5-5651 for info.

Research and Development Meeting: "Psychoeducational Programming with Adult Children of Alcoholics," featuring Pepper Phillips, Counseling Center, noon-1 p.m., 0114 Shoemaker Hall. Call 4-7691 for info.

Zoology Seminar: "Sex and the Single Cell: Hormonal Modulation of the Electrical Activity in a Weakly Electric Fish," featuring Harold Zakon, Zoology, U. of Texas, 3 p.m., 1208 Zoo/Psych Bldg. Call 5-6884 for info.

Graduate School Distinguished Lecture: "Evolution of the Material Universe," featuring Frank Shu, Astronomy, U. of California at Berkeley, 3:30 p.m., Physics Lecture Hall. Call 5-4258 for info.

Women's Volleyball vs. George Mason, 7 p.m., Cole Field House. Call 4-7064 for info.

Architecture Lecture, featuring Witold Rybczynski, McGill U., 7:30 p.m., Architecture Auditorium. Call 5-6284 for info.

11 THURSDAY

Systems Research Center Systems Colloquium: "Prospects for IC-based Micro Electromechanical Devices," featuring Kaigham J. Gabriel, AT&T Bell Labs, 9:30-10:30 a.m., 1100 ITV Bldg. Call 5-6634 for info.

Meteorology Seminar: "Land Surface Parameterization for the NMC MRF Model," featuring Hua-Lu Pan, NMC, Camp Springs, 3:30 p.m., 2114 Computer and Space Sciences Bldg., refreshments, 3 p.m. Call 5-5392 for info.

Accounting Department Lecture, featuring Robert J. Swieringa, Financial Accounting Standards Board, 3:30 p.m., 0106 Francis Scott Key, reception to follow. Call 5-2312 for info.

Astronomy Colloquium: "Protostellar Disks and Winds," featuring Frank Shu, U. of California at Berkeley, 4 p.m., 1113 Computer & Space Sciences Bldg., reception, 3:30 p.m. Call 5-1524 for info.

"Hispanic Heritage Day Celebration," 7 p.m.-11:30 p.m., Colony Ballroom, Stamp Student Union. Call 5-5622 for info.

12 FRIDAY

Geology Seminar: "Geochemical Constraints on the Provenance of the Morrison and Cloverly Formations of Wyoming," featuring Kenneth Tabbutt, Consulting Geologist, 11 a.m., 0105 Hornbake Library. Call 5-2783 for info.

Speech Communication Colloquium: "Youths at Risk and Rites of Passage," featuring Joseph McCaleb, Speech Communication, noon, 0138 Tawes Theatre. Call 5-6524 for info.

AAUW Published Women's Luncheon, featuring Jane Donawerth, English, noon-1 p.m., Rossborough Inn. Call 504-8013 for reservations & info.

"Lunch n' Learn" Mental Health Lecture: "Sexuality and the Recovering Individual," featuring Gail Guttman, counselor and sex therapist, 1-2 p.m., 3100E Student Health Center. Call 80-8106 for info.

"Turtle Walk" 5K Walk-A-Thon, to benefit the American Kidney Fund, 3:30 p.m., University Golf Course. Call 4-7174 for info.

Physics Symposium: "From Atoms to Quarks," featuring eight university physicists, today 1:20 p.m. and tomorrow 9 a.m., 1410



Food, fun and festivities will be found Oct. 13 at the Homecoming Alumni Tent Party. Call 405-4678 for ticket info.

Physics Bldg. Call 5-5980 for info.

Music Department Concert, featuring Katarik Seshadri, classical Indian musician, 8 p.m., Tawes Recital Hall. Call 5-5548 for info.

13 SATURDAY

Men's and Women's Cross Country Tournament, Maryland Open, 10 a.m., Maryland Golf Course. Call 4-7064 for info.

Maryland University Club Homecoming Brunch, 10 a.m., Rossborough Inn. Call 4-8015 for info.

Homecoming UM Football vs. Wake Forest, noon, Byrd Stadium. Call 4-7064 for info.

Homecoming Alumni Tent Party, immediately following the football game (approx. 3:30 p.m.), Denton Field area. Call 5-4678 for info.

University Community Concerts, The Jupiter Symphony, Jens Nygaard, conductor, and Lilian Kallir, piano, program TBA, 8 p.m., Center of Adult Education, \$17.50 standard admission, \$15 students and seniors. Call 80-4239 for info.

14 SUNDAY

Artist Scholarship Benefit Concert: University of Maryland Symphony Orchestra, featuring Daniel Heifetz, violin; William Kirwan, narrator; and William Hudson, conductor, performing *Peter and the Wolf*, 3 p.m., Tawes Recital Hall, \$10 standard admission, \$5 students & seniors. Call 5-5548 for info.

15 MONDAY

Art Gallery Exhibition: "Trouble in Paradise," today-Oct. 26, The Art Gallery, Art/Soc Bldg. Call 5-2763 for info.

Returning Students' Workshop: "Assertiveness," 11 a.m.-noon, 2201 Shoemaker Hall. Call 4-7693 for info.

Center for International Extension Development Colloquium: "Institutional Development: Incentives to Performance in Agricultural Extension," featuring Arturo Israel, The World Bank, noon (bring brown bag lunch), 0115 Symons Hall. Call 5-1253 for info.

Returning Students' Workshop: "Exam Skills," 2-3 p.m., 2202 Shoemaker Hall. Call 4-7693 for info.

Computer Science Colloquium: "Proof Outlines of the Past," featuring Fred B. Schneider, Cornell U., reception, 3:30 p.m., 1152 A.V. Williams Bldg., lecture, 4 p.m., 0111 Classroom Bldg. Call 5-2661 for info.

Space Science Seminar: "Ionospheric Modification by Electromagnetic Radiation," Harvey Rowland, Naval Research

Laboratory, 4:30 p.m., 1113 Computer & Space Sciences Bldg. Call 5-4829 for info.

16 TUESDAY

Employee Development Seminar: "Overview of Financial and Business Services," 9 a.m.-2 p.m., Maryland Room, Marie Mount Hall. Call 5-5651 for info.

Women's Soccer vs. N.C. State, 2 p.m., Soccer Field. Call 4-7064 for info.

Physics Colloquium: "Angles and Phases in Quantum Mechanics," featuring R. W. Jackiw, MIT, 4 p.m., 1410 Physics Bldg., reception, 3:25 p.m. Call 5-5980 for info.

Feminist Philosophy Lecture: "Virgin, Mother or Person?" featuring Nina Karin Monsen, author, 4 p.m., 3205 Jimenez Hall. Call 5-4096 for info.

Film Showing: "Romero," discussion on Central American Region to follow, 4-6 p.m., Non-print Media Center, Hornbake Library. Call 5-8458 for info.

SEE Productions Guest Speaker, Donald Woods, anti-apartheid journalist and author, 7:30 p.m., Colony Ballroom, Stamp Student Union. Call 4-8342 for info.

University Theatre: "The Rimers of Eldritch," today-Oct. 21 & 23-28, 8 p.m., Sunday matinees, 2 p.m., Pugliese Theatre. Call 5-2201 for info.

Women's Field Hockey vs. James Madison, 7 p.m., Astroturf Field. Call 4-7064 for info.

17 WEDNESDAY

Sexual Harassment Education Workshop, for vice presidents, deans, directors, and department chairs, today and tomorrow, 9:30-11:30 a.m., 2118 Lee Bldg. Call 5-2837 for info.

Research and Development Meeting: "The ElderCare/Caregiver Issue on the UMCP Campus," featuring Helen O'Ferrall, Agricultural Experiment Station, noon-1 p.m., 0114 Shoemaker Hall. Call 4-7691 for info.

Academic Affairs Professional Staff "Brown Bag" Lunch: "Managing Diversity in the Workplace: Understanding Different Cultures," 12:30-2 p.m., Maryland Room, Marie Mount Hall. Call 5-5620 for info.

Architecture Lecture, featuring Alan Plattus, Yale U., 7:30 p.m., Architecture Auditorium. Call 5-6284 for info.

Zoology Seminar: "Episodic Ticks of the Molecular Clock," featuring John Gillespie, U. of California at Davis, 3:30 p.m., 1208 Zoo/Psych Bldg. Call 5-6884 for info.

Astronomy Colloquium: "Modern Methods in Astronomical Photography," featuring David Malin, Anglo Australian Observatory, Australia, 4 p.m., 1113 Computer & Space Sciences Bldg., reception, 3:30 p.m. Call 5-1524 for info.

Women's Volleyball vs. George Washington, 8 p.m., Cole Field House. Call 4-7064 for info.

University Theatre: "The Rimers of Eldritch," 8 p.m., Pugliese Theatre. See Oct. 16 for details.

* Admission charge for this event. All others are free.